


REMARKS

The present Preliminary Amendment is submitted to cancel original claims 1-18 and add new claims 19-40. Note that the new claims are presented to delete the reference numerals in the original claims, and to remove the multiple dependencies in the original claims to thereby place such claims in condition for examination and reduce the required PTO filing fee.

Also, the abstract has been amended in order to remove the reference numerals therein. The changes to the abstract are submitted in the form of a substitute abstract. A copy of the abstract with changes marked therein is attached.

Respectfully submitted,

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July 20, 2004

ABSTRACT

On a substrate (7) are configured piezoelectric elements (2) composed of a mirror device (1), piezoelectric thin films (3), electrodes (4a, 4b, 4c), and elastic members (5), and application of a voltage to the electrodes causes flexure deformation in the piezoelectric thin films, so that the mirror device is actuated. A plurality of the piezoelectric elements are arranged in parallel with a longitudinal direction (8) thereof, and torsion springs (6) are provided so as to extend in a direction orthogonal to the longitudinal direction and so as to hold the mirror device in connection with the substrate. The mirror device is connected to the piezoelectric elements through strain absorbers (10). In such a configuration, the torsion springs serve as a rotation axis (9), and the mirror device is inclined about the rotation axis.

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